

REMARKS/ARGUMENTS

The Office Action of January 16, 2007, has been carefully considered.

It is noted that the disclosure is objected to for containing various informalities.

The drawings are objected to for not having labels for the black boxes.

Claims 14-26 are rejected under 35 U.S.C. 112, second paragraph.

Claims 14, 15 and 19 are rejected under 35 U.S.C. 102(b) over the patent to Silverman.

Claim 18 is rejected under 35 U.S.C. 103(a) over Silverman in view of the patent to Waterhouse.

Claims 16, 17 and 20-24 are rejected under 35 U.S.C. 103(a) over Silverman in view of the patent to Skalski.

Claims 25 and 26 are rejected under 35 U.S.C. 103(a) over Silverman and Skalski and further in view of the patent to Persson.

In connection with the Examiner's objection to the disclosure as not containing section headings, application wishes to point out that the Preliminary Amendment filed simultaneously with the present application inserted section headings. For the Examiner's reference, applicant has enclosed herewith pages of the Preliminary Amendment which dealt with amendments to the specification.

In view of these considerations, it is respectfully submitted that the specification

does include section headings and therefore the objection to the specification is overcome and should be withdrawn.

In connection with the objection to the drawings, applicant has enclosed herewith two replacement sheets containing Figs. 1-4C in which labels have been provided for the black boxes. These two sheets replace the original sheets containing Figs. 1-4C.

With these replacement sheets it is respectfully submitted that the objection to the drawings is overcome and should be withdrawn.

In view of the Examiner's rejections of the claims, applicant has amended independent claim 14.

It is respectfully submitted that the claims now on file particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant has amended the claims to address the instances of indefiniteness cited by the Examiner.

The "security circuit" is formed by an electrically conductive closed loop, as discussed in the specification. From this it follows that the "security configuration" is a "closed loop of the security circuit" and the "anomaly configuration" is a "broken closed loop of the security circuit". In the specification, the "reference condition" is specified as a "normal operating condition."

In view of these considerations, it is respectfully submitted that the rejection of claims 14-26 under 35 U.S.C. 112, second paragraph, is overcome and should be withdrawn.

It is further submitted that the claims now on file differ essentially and in an

unobvious, highly advantageous manner from the constructions disclosed in the references.

Turning now to the references, and particularly to the patent to Silverman, it can be seen that this patent discloses an apparatus and method for controlling communication in an electronic control and monitoring system. Silverman refers to a home LAN controller 14 with a memory 28 for saving state signals such as an OPEN condition of a remote device 18 connected to a home LAN 10. The home LAN 10 can, for example, be a garage door (see column 4, lines 14-52). A home LAN controller 14 also comprises a programmable database 24 for storing heuristics and instructions for operating the home LAN 10 (see column 4, lines 31-32). Thus, the interpretation of data can be programmed.

Contrary to Silverman, the presently claimed invention deals with a non-programmable security circuit. Every peripheral device reports a context code which is periodically polled and in the case of the detection of the absence of one of the context codes the security configuration is switched to the anomaly configuration. Such a control is not disclosed by Silverman. Silverman teaches a more complex programmable security circuit.

In view of these considerations, it is respectfully submitted that the rejection of claims 14, 15 and 19 under 35 U.S.C. 102(b) over the above-discussed reference is overcome and should be withdrawn.

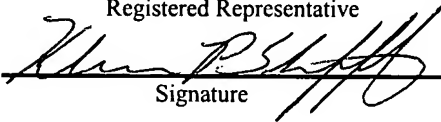
The patents to Waterhouse, Skalski and Persson have also been considered. The Examiner combined these references with Silverman in various combinations in rejecting claims 16-18 and 20-26. Applicant respectfully submits that none of these references provide any suggestion of the presently claimed invention. Furthermore, applicant submits that none of the combinations of references relied upon by the

Examiner teach the invention recited in the claims presently on file and discussed above.

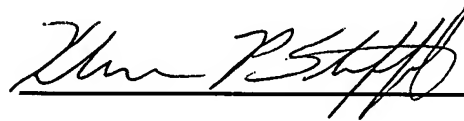
In view of these considerations, it is respectfully submitted that the rejections of claims 16-18 and 20-26 under 35 U.S.C. 103(a) are overcome and should be withdrawn.

Reconsideration and allowance of the present application are respectfully requested.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendments, P.O. Box 1450, Alexandria, Virginia 22313-1450, on April 16, 2007

Klaus P. Stoffel
Name of applicant, assignee or
Registered Representative

Signature
April 16, 2007
Date of Signature

Respectfully submitted,



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P/4309-84

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Michel Gielis

Date: December 10, 2004

U.S. National Phase of PCT/EP2003/07131

International Filing Date: 12 June 2003

Serial No.: Unassigned

Filing Date: Herewith

For: CONTROLLING AND/OR MONITORING DEVICE USING AT LEAST A
TRANSMISSION CONTROLLER

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Sir:

Prior to the issuance of a first Office Action and simultaneously with the filing of the present U.S. national phase application, please amend said application as follows:

FEE CALCULATION

Any additional fee required has been calculated as follows:

_____ If checked, "Small Entity" status is claimed.

	NO. CLAIMS AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR		EXTRA PRESENT		RATE	ADDIT. FEE
TOTAL	13	MINUS	20	* =	0	X	(\$25 SE or \$50)	\$ -0-
INDEP.	1	MINUS	3	** =	0	X	(\$100 SE or \$200)	\$ -0-
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM						X	(\$180 SE or \$360)	\$ -0-

* not less than 20 ** not less than 3

TOTAL \$ -0-

In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee during the prosecution of this application is not paid, the Patent Office is authorized to charge the underpayment to Deposit Account No. 15-0700.

CONTINGENT EXTENSION REQUEST

If this communication is filed after the shortened statutory time period had elapsed and no separate Petition is enclosed, the Commissioner of Patents and Trademarks is petitioned, under 37 C.F.R. § 1.136(a), to extend the time for filing a response to the outstanding Office Action by the number of months which will avoid abandonment under 37 C.F.R. § 1.135. The fee under 37 C.F.R. § 1.17 should be charged to our Deposit Account No. 15-0700.

SUMMARY OF AMENDMENTS

1. ☐ If checked, an abstract (an amended abstract) is submitted herewith.
2. ☐ If checked, amendment(s) to the drawings are submitted herewith.
3. ☒ If checked, amendments to the specification are submitted herewith.
4. ☒ If checked, amendments to the claims are submitted herewith.

AMENDMENTS TO THE SPECIFICATION

Please insert the following headings and paragraph at page 1, after the title:

PRIORITY CLAIM

This is a U.S. national stage of International Application No. PCT/EP2003/07131, filed on June 12, 2003. Priority is claimed on that application and on the following application:

Country: France, Application No. 02/07297, Filed: June 13, 2002.

BACKGROUND OF THE INVENTION

Please insert the following heading at page 1, between lines 13 and 14:

SUMMARY OF THE INVENTION

Please replace the paragraph beginning at page 1, line 18 to page 2, line 15, with the following rewritten paragraph:

To this end, the device of the invention, which moreover complies with the generic definition provided by the above preamble, ~~is essentially characterised in that it comprises among others~~ comprises an electrical security circuit, selectively adopting a security configuration or an anomaly configuration, ~~in that each~~. Each peripheral device is at all times subject to a condition which affects it entirely or partially, that belongs to a number of possible conditions including a reference condition, and for which the peripheral device selectively reports in the form of a context code, ~~and in that the~~. The control central processing unit comprises at least a first transmission controller which has, for each peripheral device, a stored reference code formed by the context code transmitted by this peripheral device for its reference condition, which takes the context code ~~of each~~ of each of the peripheral devices by periodic polling of these peripheral devices according to a predetermined addressing order, which carries out comparisons of the context codes one by one that have been taken by polling of the peripheral devices and stored

reference codes it stores, and which commands the passage of the security circuit from its security configuration to its anomaly configuration in response to the detection of the absence of one of the codes to be compared or a disparity between the codes compared by it.

Please replace the paragraph beginning at page 2, line 22 to page 3, line 3, with the following rewritten paragraph:

It may be useful to provide for the control central processing unit to include a second transmission controller that also has, for each peripheral device, a stored reference code formed by the context code that this peripheral device provides for its reference condition, ~~and that this.~~ This second transmission controller, independently of the first transmission controller, carries out comparisons, one by one, of the context codes taken by polling of the peripheral devices and the reference codes stored by it, and commands the passage of the security circuit from its security configuration to its anomaly configuration in response to the detection of the absence of one of the codes to be compared or a disparity between the codes compared by it.

Please replace the paragraph beginning at page 3, line 4 to page 3, line 11, with the following rewritten paragraph:

For example, each transmission controller comprises, in memory, a fixed table of reference codes stored during an installation phase of the device and a dynamic table registering the context codes taken by polling of the peripheral devices, ~~each.~~ Each transmission controller is thus ~~[[being]]~~ able to compare the respective contents of the fixed table and the dynamic table by periodically updating the contents of the dynamic table.

Please replace the paragraph beginning at page 3, line 18 to page 4, line 2, with the following rewritten paragraph:

In its most accomplished form, the device of the invention may be designed so that each peripheral device includes a pair of interactive organs including a master organ and a slave organ associated to one another, ~~that the.~~ The communication network connects the central processing unit to the various control master organs, ~~that for.~~ For each peripheral device, the condition represented by the context code is a condition affecting the slave organ or a relation between the slave organ and the master organ of this peripheral device, ~~and that the.~~ Furthermore, the master organ of each peripheral device electrically powers the slave organ of this peripheral device and constitutes an interface between this slave organ and the first transmission controller of the control central processing unit, the master organs being electrically powered for example by the first controller via the network.

Please replace the paragraph beginning at page 4, line 28 to page 5, line 9, with the following rewritten paragraph:

In this case, it may be wise to provide that, for each peripheral device, the state encoder essentially includes a pair of permanently ~~magnetised~~ magnetized tracks distant from one another, carried by the slave organ of this peripheral device, and a corresponding pair of Hall effect sensors, carried by the corresponding master organ, ~~that the magnetised.~~ The magnetized tracks are positioned opposite the corresponding Hall effect sensors for a reference relative position of the slave organ with respect to the master organ, that is unique and which constitutes the reference condition, ~~and that the.~~ The state signal takes at least two different logic values, depending on whether the slave organ is in its reference relative position with respect to the master organ or not.

Please insert the following heading beginning at page 5, between lines 9 and 10:

BRIEF DESCRIPTION OF THE DRAWINGS

Please insert the following heading beginning at page 6, between lines 3 and 4:

DETAILED DESCRIPTION OF THE INVENTION

Please replace the paragraph beginning at page 7, line 12 to page 7, line 20, with the following rewritten paragraph:

Even though the transmission channel 50 can be formed by a radio channel, and even though, furthermore, the peripheral device Pa to Pn may be electrically powered in situ by a ~~decentralised~~ decentralized source, the hypothesis will be used hereunder that the transmission channel 50 is constituted by a wire bus through which, moreover, the peripheral devices are electrically powered, this layout corresponding to a particularly advantageous application of the invention.

Please replace the paragraph beginning at page 8, line 3 to page 8, line 7, with the following rewritten paragraph:

Each of the transmission controllers 41 and 42 periodically ~~[[poll]]~~ polls each of the peripheral devices Pa to Pn, according to a predetermined addressing order, and ~~taking~~ takes the context code Ka to Kn of each peripheral devices thus polled.